Title (en)

PROCESS FOR THE FERMENTATIVE PREPARATION OF L-AMINO ACIDS WITH AMPLIFICATION OF THE TKT GENE

Title (de)

VERFAHREN ZUR FERMENTATIVEN HERSTELLUNG VON L-AMINOSÄUREN DURCH VERSTÄRKUNG DES TKT-GENS

Title (fr)

OBTENTION PAR FERMENTATION D'ACIDES L-AMINES AVEC AMPLIFICATION DU GENE TKT

Publication

EP 1179084 B1 20071003 (EN)

Application

EP 00945875 A 20000705

Priority

- EP 0006305 W 20000705
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Abstract (en)

[origin: WO0168894A1] The invention relates to a process for the preparation of L-amino acids by fermentation of coryneform bacteria, which comprises carrying out the following steps: a) fermentation of the desired L-amino acid-producing bacteria in which at least the tkt gene is amplified, b) concentration of the L-amino acid in the medium or in the cells of the bacteria and c) isolation of the L-amino acid produced, and vectors which carry the tkt gene.

IPC 8 full level

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CPC (source: EP KR)

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Citation (examination)

BERNHARD J. EIKMANNS: "Identification, sequence analysis, and expression of a Corynebacterium glutamicum gene cluster encoding the three glycolytic enzymes Glyceraldehyde-3-Phosphate dehydrogenase, 3-Phosphoglycerate kinase, and Triosephosphate isomerase", JOURNAL OF BACTERIOLOGY, vol. 174, no. 19, October 1992 (1992-10-01), pages 6076 - 6086, XP000979491

Cited by

RU2615454C1; WO2013081296A1

Designated contracting state (EPC)

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